

Flow Chart for Networking Logic Section 1A- Determining Options Part 1

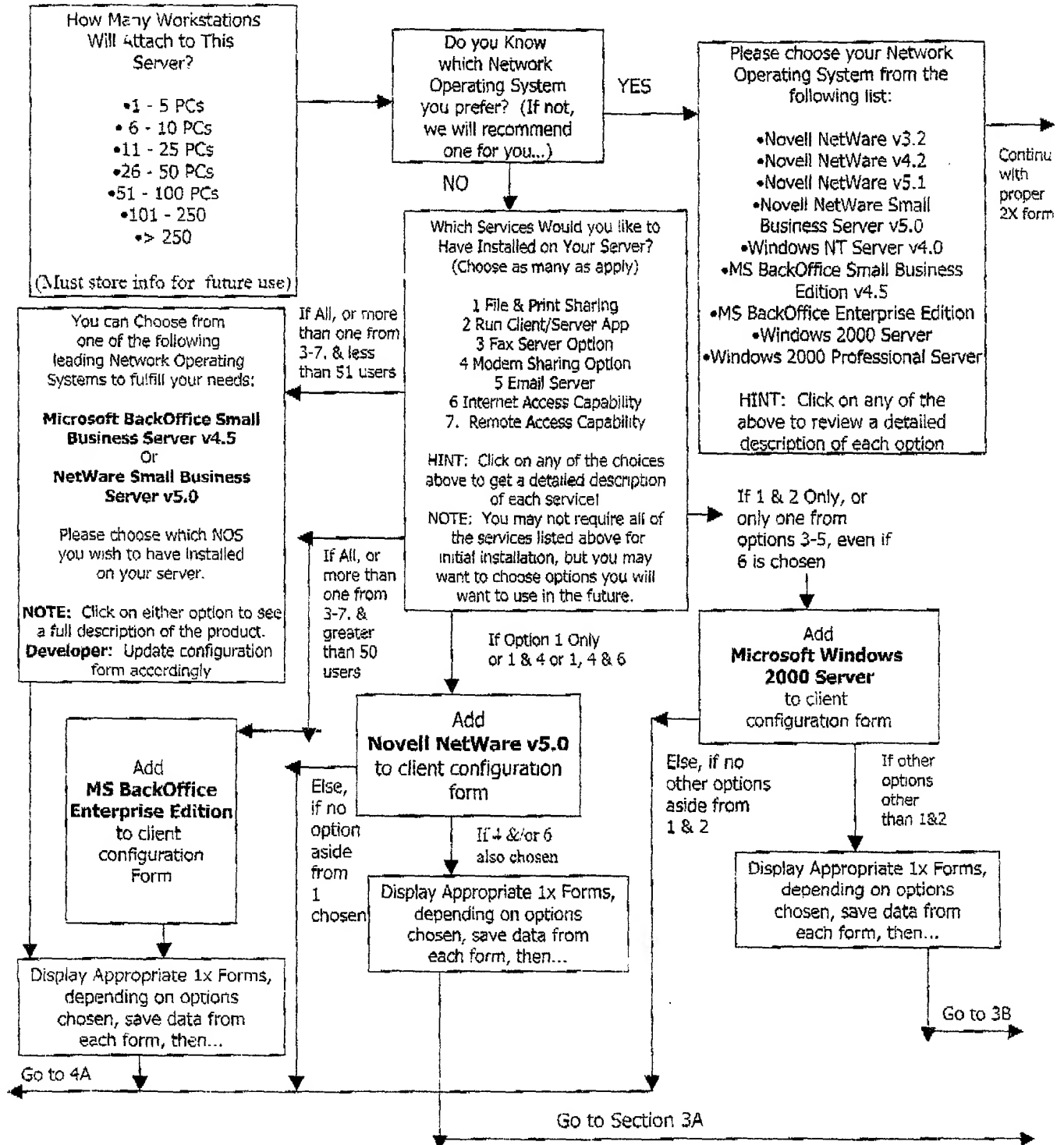


FIG 1

Networking Logic Flow Chart

Section 1B: Email Server Form

You have chosen to have an Email Server Installed. In order for us to properly configure your Server, please answer the following questions:

•**1st Ask:** Do you already have a Registered Domain Name? **YES NO**
(HINT: Click on Domain Name to view a definition)

•**If Yes Selected, ask:** What is your domain name?

(Note to developer: Record Name automatically in the ISPFORM. See ISPFORM.DOC for information.)

then ask:

•**Do you Have an Internet Service Provider?** **YES NO**

•**If YES Selected,** bring up the ISPFORM which will ask them pertinent information regarding their Account and Internet Service Provider Addresses, etc.

If NO Selected, ask, Would you like us to Recommend One? **YES NO**

•**If YES Selected,** bring up a list of options with telephone numbers and contacts AND allow them to Print out the ISP Form that they must then fill out and fax to us after setting up their ISP account.
(The list of ISPs will be supplied under ISP OPTIONS.DOC)

•**If No Selected for Registered Domain, ask:** Would you like us to Help you Register a Domain Name? **YES NO**

•**If Yes Selected,** bring to a Form for Submitting a Domain Name, record the Domain Name in their record for us to refer to. (NOTE To Developer: We do not use a specific company for this as of now, so, if we choose you as our Web Developer, we would be happy to extend this service through you.
Please create the form based on what you know you need to ask.)

•**If No Selected,** Display Verbiage about strongly recommending a Domain Name for an Email Server and Ask Again If they would like our Help. If No still, then state we can still setup the EMAIL server with their ISP information, using the ISP's domain name and information provided to us from the ISP.

•**If they do not want to setup an ISP Account,** then state: Since we do not have the necessary information for configuring your Internet Email, we will be happy to install and configure the email server for Internal Mail only.

Then, you may choose to either configure your Internet Email Information at a later point **OR** have one of our highly trained Consultants Dial-In and Configure the Email Server for you Remotely!

[Click Here to view our exclusive Remote Support Options!](#)

(Note to Developer: I will supply this Remote Support information via a word doc entitled REMCNTRL.DOC)

FIG 2

Networking Logic Flow Chart

Section 1C: Modem Sharing Form

IF MODEM SHARING IS CHOSEN, ASK THE FOLLOWING:

You have requested to have Modem Sharing installed to your new server.
How many modems would you like to share over the server? Please Enter Number: ____
(Note to Developer: Must record this value for later.)

If only 1 modem chosen, ask: Would you like at least one more additional modem to allow ProNet to remotely support your new Server without interfering with your Modem Sharing? **YES NO**

Hint: Click here to see a description of how ProNet can help support your server through Remote Control, never requiring a site visit!

(If YES selected, automatically update modem number to 2)

If No Selected, Bring up Verbiage for "Remotely Controlling your Server" then ask if they wish to change their minds. (I will supply this verbiage in a document called REMCNTRL.DOC)

Also, if they only choose to have 1 modem and they want both Modem Sharing and Fax Services, let them know they need as least 2 modems, 1 for the Modem Share and 1 for the Fax Service.

Then ask, do they wish to add the necessary 2nd modem? **YES NO**

If No, then display: Unless you choose to have a 2nd modem added, you will need to remove one of these chosen services. Which service would you like to remove? **NOTE:** If you choose **NEITHER,** we will automatically update your order to add the 2nd necessary modem.

MODEM SHARE FAX SERVER NEITHER

(Note to Developer: If Neither chosen, add the 2nd modem, else update their Network Configuration Form by removing the chosen service above.)

NOTE: Please make sure you have your phone company install the necessary phone lines to allow you to connect each modem to it's own telephone line. The phone lines will need to be installed where you will be placing your File Server. This is usually in a secure room that is air conditioned or at least kept cool.

FIG 3

Networking Logic Flow Chart

Section 1D: Fax Server Form

IF THE FAX SERVER OPTION IS CHOSEN, ASK THE FOLLOWING:

You have requested to have a Fax Server Installed to your New Server.
How many modems would you like to have for receiving and/or sending faxes through the File Server? : ____

(Note to Developer: Must record this value for later. Also, please display the following Note below the above question for the User to View:)

If you choose to have more than one modem for receiving faxes, you will want to have the appropriate phone lines installed to the room where you will be placing your File Server. These phone lines should "hop" if the first line is busy. In other words, you will have one main Fax Number to give to your clients and contacts. When they use this number to send a fax and the 1st line is currently being utilized for receiving or sending a fax, the phone company will automatically switch the line to the next phone number. This feature is very cost effective and will allow your clients to send faxes to your office quicker and easier, since they will seldom receive a busy signal!

If you choose to have just 1 Modem for Receiving Faxes, this is still OK. However, if you also want the ability to send faxes directly from your desktop, and you have chosen to only have 1 physical modem attached to your server, the fax line will be busy a lot more frequently, since it can not receive incoming faxes while user are sending outgoing faxes. It is strongly recommended to add at least 1 more modem to your server for this service. Do you wish to update your order to 2 modems instead? **YES NO**

If NO still chosen, display verbiage about our Remote Control Service then ask: Would you like at least one more additional modem to allow ProNet to remotely support your new Server? **YES NO**
(If YES selected, automatically update modem number to 2)

If No Selected, Bring up Verbiage for "Remotely Controlling your Server with only 1 modem. Then ask if they wish to change their minds. (I will supply this verbiage in a document called REM1MOD.DOC)

Also, if they only choose to have 1 modem and they want both Modem Sharing and Fax Services, let them know they need at least 2 modems, 1 for the Modem Share and 1 for the Fax Service.

Then ask, do they wish to add the necessary 2nd modem? **YES NO**

If No, then display: Unless you choose to have a 2nd modem added, you will need to remove one of these chosen services. Which service would you like to remove? **NOTE:** If you choose **NEITHER,** we will automatically update your order to add the 2nd necessary modem.

MODEM SHARE FAX SERVER NEITHER

(**Note to Developer:** If Neither chosen, add the 2nd modem, else update their Network Configuration Form by removing the chosen service above.)

NOTE: Please make sure you have your phone company install the necessary phone line(s) to allow you to connect each modem to it's own telephone line. The phone lines will need to be installed where you will be placing your File Server. This is usually in a secure room that is air conditioned or at least kept cool.

FIG 4

Networking Logic Flow Chart

Section 1E: Internet Access Form

IF INTERNET ACCESS OPTION IS CHOSEN, ASK THE FOLLOWING:

You have requested to have a Internet Access capabilities from your New Server.
Do you already have an account with an Internet Service Provider? **YES NO**

If **YES** chosen above, display "Please fill in the appropriate information below so we may configure your Internet Connectivity properly prior to shipment: Do you have a direct connection with your ISP? i.e. 56k, ISDN, or DSL? **YES NO** If **NO**, ask, you must have simple dial-up access to your ISP. If this is true, please tell us how many modems you would like to have available for Internet Access: _____
(Note to Developer: Must record this number for later use. If only 1 Modem Chosen, display message under #)
If **YES**, and after answering above on **NO**, then ask them to fill in:

Internet Service Provider Name: _____
Account Name: _____
Account Password: _____
Send Mail Pop Server Address: _____
Retrieve Mail Pop Server Address: _____
DNS Server Information: _____
Assigned IP Block(if any): _____
Domain Name, i.e. yourcompany.com, (if any): _____

NOTE TO CLIENT: If you are unsure about how to answer the above questions, feel free to call us directly at 781-741-2910 and we will be more than happy to assist you.

If **NO** chosen on original question, display the following question:
Would you like us to recommend an ISP for you? YES NO

If **YES**, ask the following questions:

What City/State are you located? _____ / _____ What is your Area Code and Phone Number: _____

Would you like Dedicated Access or Dial-up Access? **Dedicated Access Dial-Up**

If Dedicated Access Chosen, ask "Which method of Dedicated Access would you like pricing on?"

DSL ISDN-128k 56k

Would you like to register a Domain Name? **YES NO**

If Yes, please enter the name of the Domain you would like to have Registered and we will search for you to see if it is available. This service is free of charge, but, if available and we register it for you, there is a \$70 fee charged by the government to legally register your Domain Name for the 1st two years. If you agree, we will automatically register the Domain Name and charge your credit card accordingly. Do you agree? **YES NO**

DOMAIN NAME TO SEARCH: _____

NOTE TO DEVELOPER: You can finish this questionnaire based on what you know needs to be asked to setup an ISP account/Domain Name/etc.

NOTE TO DISPLAY TO CLIENT: Please make sure you have your phone company install the necessary phone line(s) to allow you to connect each modem to it's own telephone line. The phone lines will need to be installed where you will be keeping your File Server.

FIG 5

Networking Logic Flow Chart

Section 1E: Internet Access FormContinued

#: If you choose to have just 1 Modem for Internet Access, this is OK. However, if you also want the ability to have more than one user dialed out at a time, you should reconsider and add another modem to your server.

Do you wish to update your order to 2 modems instead? **YES NO**

If NO still chosen, display verbiage about our Remote Control Service then ask: Would you like at least one more additional modem to allow ProNet to remotely support your new Server? **YES NO**
(If YES selected, automatically update modem number to 2)

If No Selected, Bring up Verbiage for "Remotely Controlling your Server with only 1 modem. Then ask if they wish to change their minds. (I will supply this verbiage in a document called REM1MOD.DOC)

Also, if they only choose to have 1 modem and they want both Modem Sharing and Fax Services, let them know they need as least 2 modems, 1 for the Modem Share and 1 for the Fax Service.

Then ask, do they wish to add the necessary 2nd modem? **YES NO**

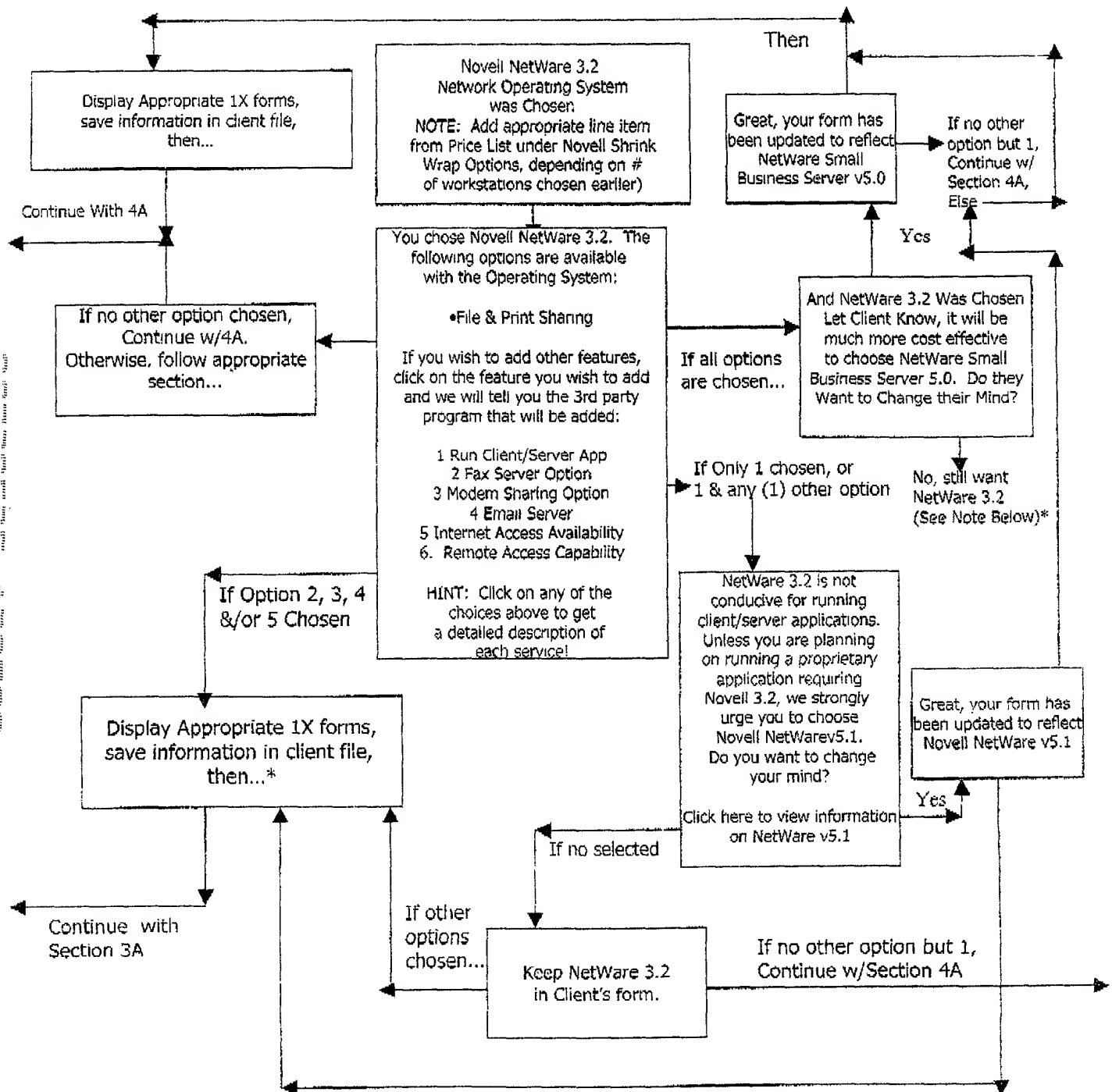
If No, then display: Unless you choose to have a 2nd modem added, you will need to remove one of these chosen services. Which service would you like to remove? NOTE: If you choose NEITHER, we will automatically update your order to add the 2nd necessary modem.

MODEM SHARE/INTERNET ACCESS FAX SERVER NEITHER

(Note to Developer: If Neither chosen, add the 2nd modem, else update their Network Configuration Form by removing the chosen service above.)

FIG 5 con't

Flow Chart for Networking Logic Section 2A- Determining Options for Novell NetWare 3.2



*NOTE: If all chosen, first see the All Options section above. If client still wishes to go with 3.2, follow the steps under If Option 2, 3, 4 &/or 5 Chosen...

FIG 6

Flow Chart for Networking Logic Section 2B- Determining Options for NetWare 4.2 or 5.1

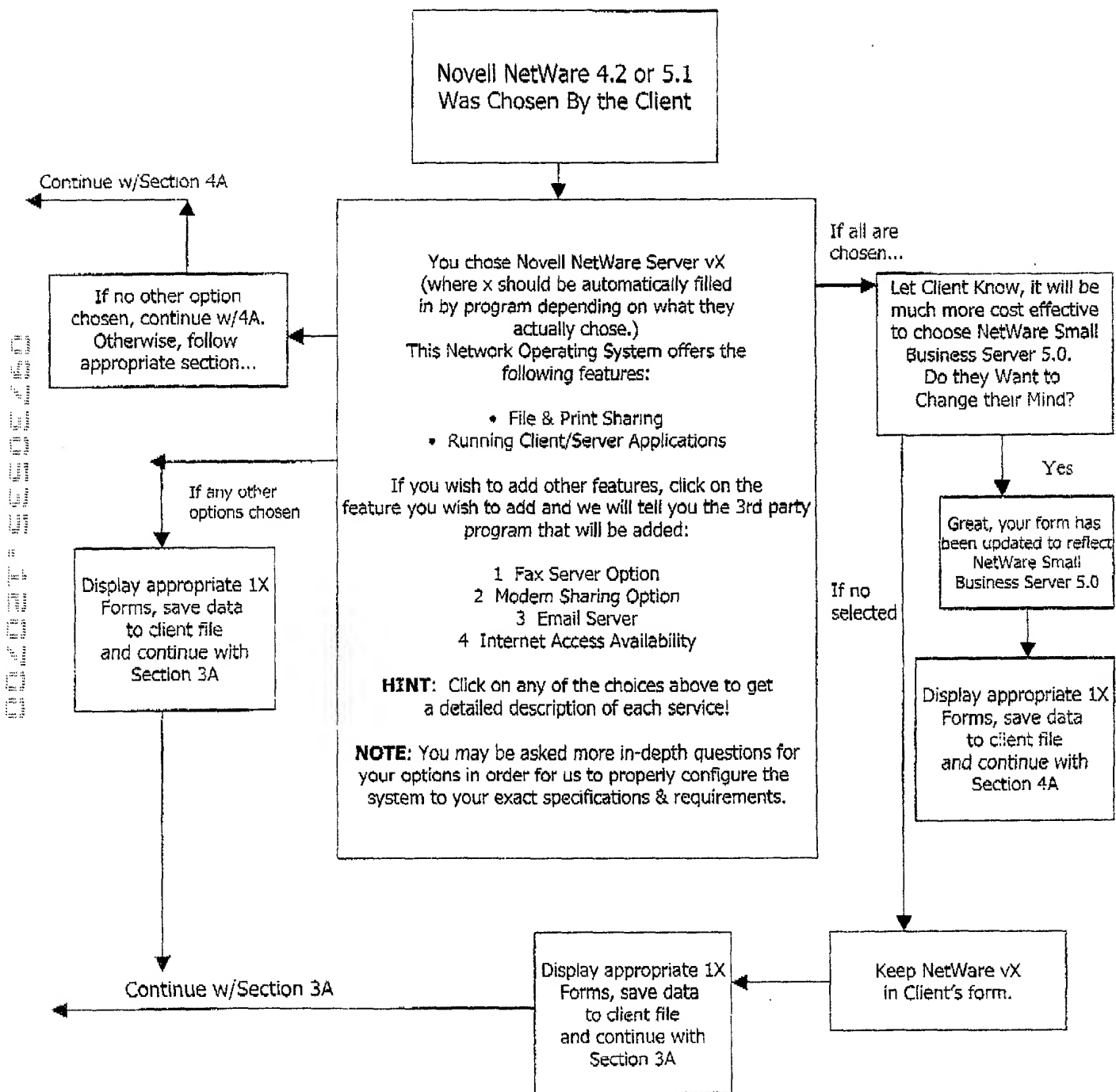


FIG 7

Flow Chart for Networking Logic
Section 2C- Determining Options for NetWare SBS v5.0

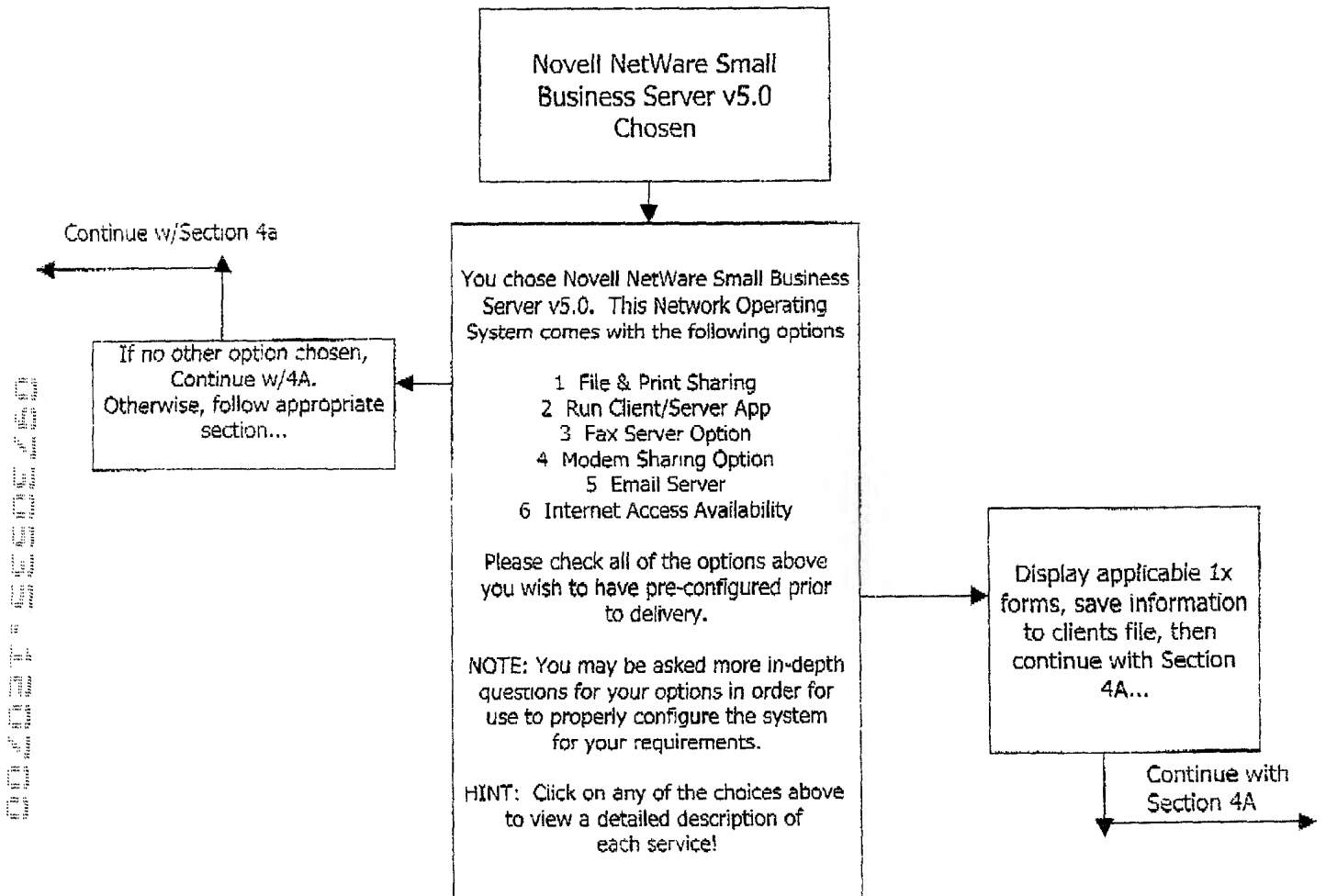


FIG 8

Flow Chart for Networking Logic Section 2D- Determining Options for NT Server v4.0

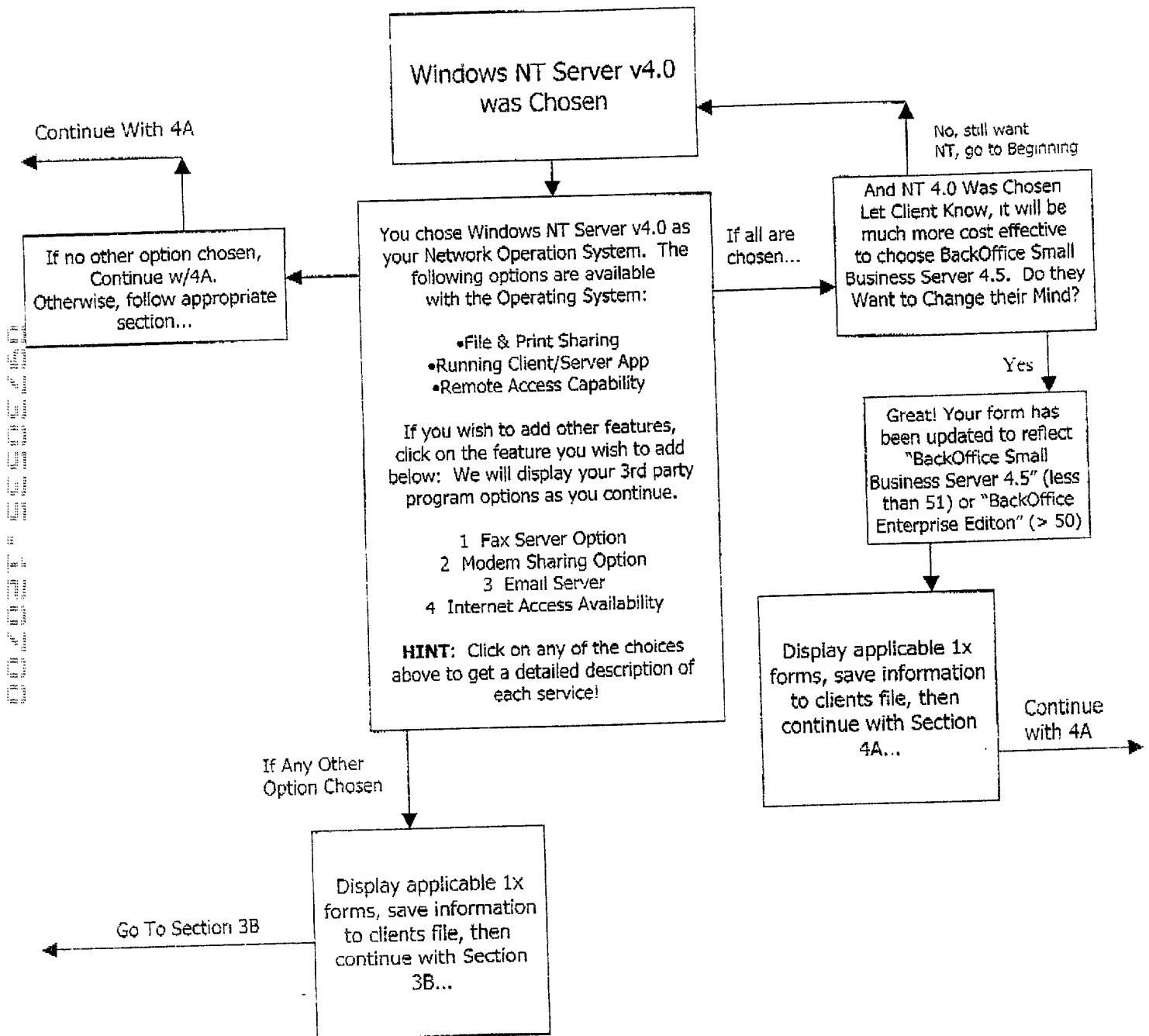


FIG 9

Flow Chart for Networking Logic
Section 2E- Determining Options for BackOffice Enterprise
Edition Selection

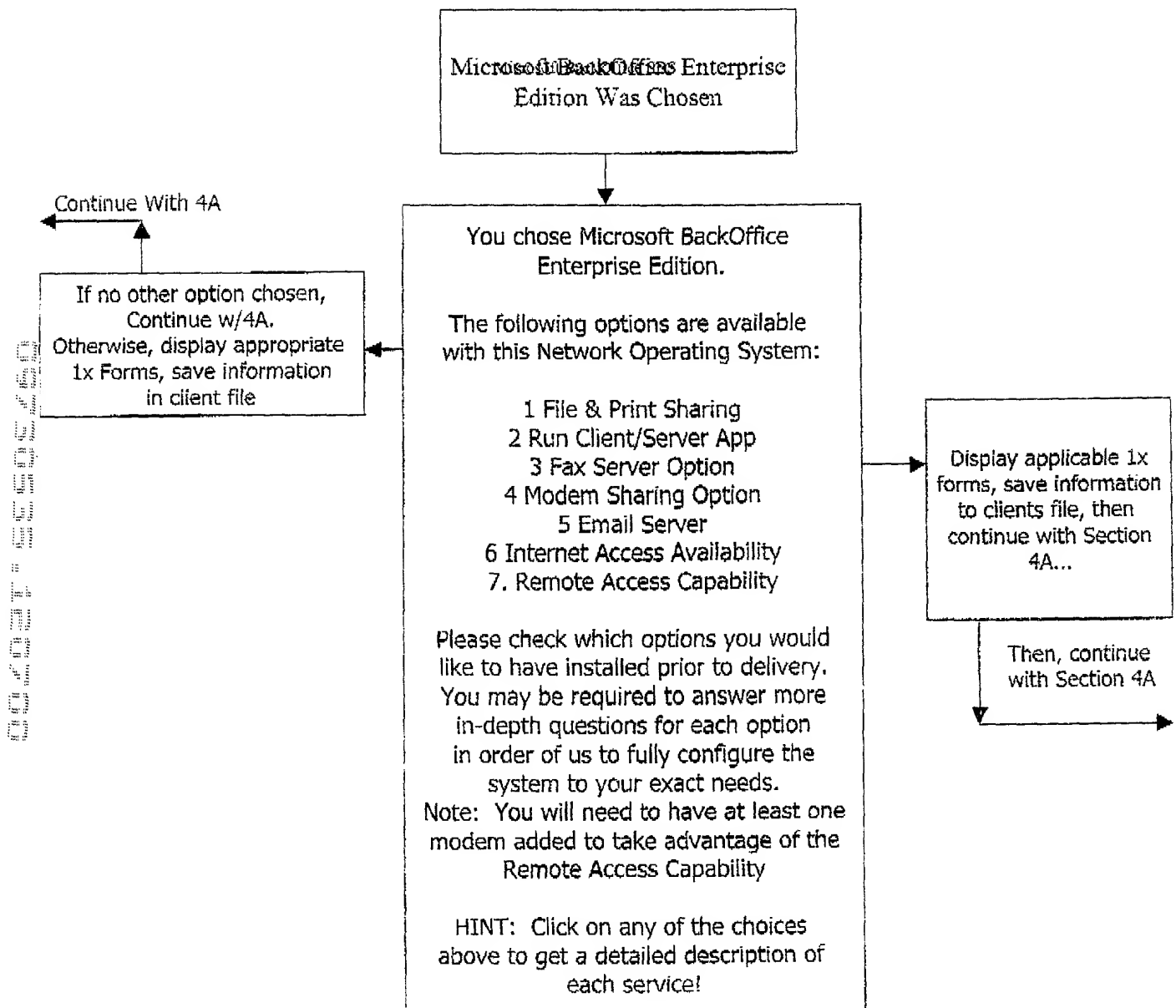
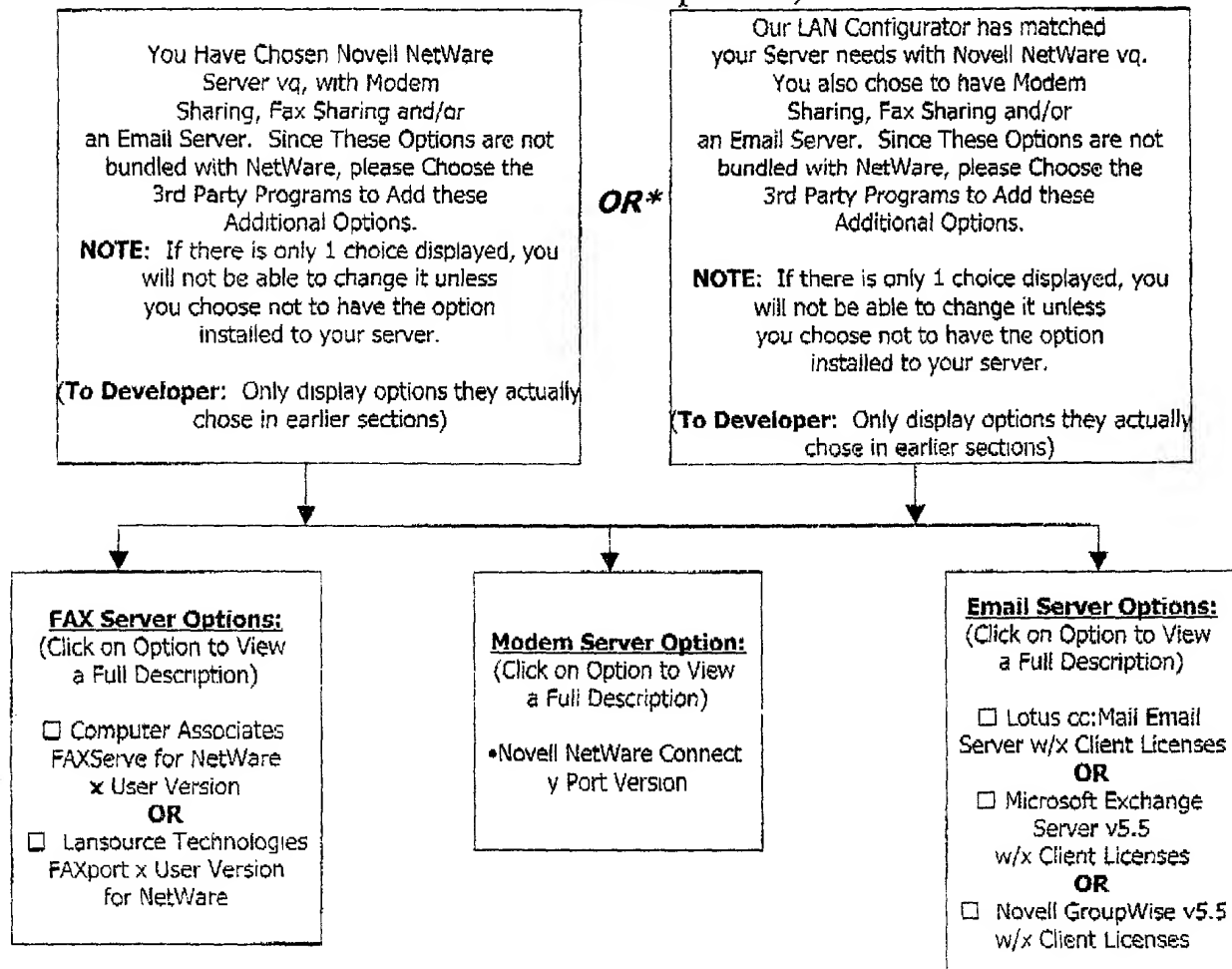


FIG 10

Flow Chart for Networking Logic Section 3A-Additional Options on Novell Servers (All Versions Accept SBS)



NOTES TO DEVELOPER:

If MS Exchange Server is chosen, the user must also add another PC with Windows NT Workstation that will act as the Gateway. This system will need to be a dedicated system and will be installed next to the File Server. (See the "Systems Breakdown" spreadsheet and refer to the "NT Workstation" tab for more information.)

q should be automatically filled in depending on which version of NetWare
x should be automatically filled in depending on how many users are on this system as answered in Section 1A.

The y should be automatically filled in depending on the number of modems they asked to have. There will also need to be a digi-card installed in this system with the same # of ports. This is discussed later.

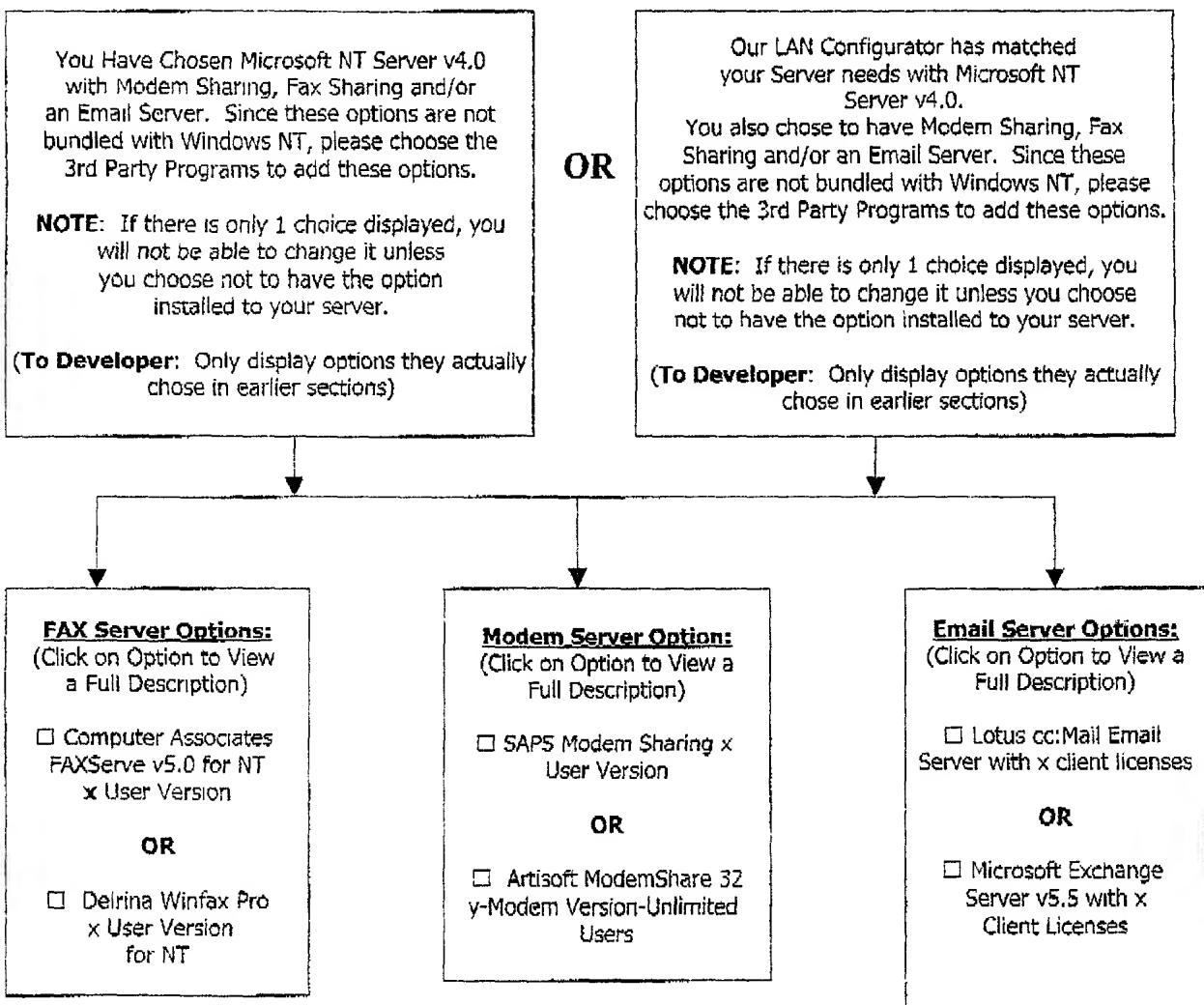
Continue with Section 4A after all options have been filled in...

*The OR will depend upon whether the client chose the NOS, or our configurator chose it.

FIG 11

Flow Chart for Networking Logic

Section 3B-Additional Options on Microsoft NT Server v4.0



NOTE TO DEVELOPER: x should be automatically filled in depending on how many users are on this system as answered in Section 1A. You need to add the FaxServer or Delrina WinFax option chosen above from the price list to their estimate.

There will also need to be a digi-card installed in this system with the same # of ports. This is discussed later.

The y should be automatically filled in depending on the number of modems they asked to have. There will also need to be a digi-card installed in this system with the same # of ports. This is discussed later.

Continue with Section 4A after all options have been filled in...

*The OR will depend upon whether the client chose the NOS, or our configuration chose it.

FIG 12

Flow Chart for Networking Logic

Section 4A-Adding Necessary Peripherals to Order-Modems/Printers

This information is for the Developer to know what to add to the server configuration list. For Part I, no questions are asked of the end-user. You simply pull the proper part number from the on-line store and add to the server configuration list.

I. The number of modems chosen will determine which DIGI board will need to be added:

The following logic will determine this:

A. With Novell & NetWare Connect:

| | | |
|-----------------------|-------------------------------|---|
| Modems Chosen is 1-2: | Manufacturer Part #: 70001052 | AccelePort 2E ISA/NetWare Connect 2 2-port* |
| Modems Chosen is-3-4: | Manufacturer Part #: 70001053 | AccelePort 4e ISA/NetWare Connect 2 4-port* |
| Modems Chosen is 5-8: | Manufacturer Part #: 70001054 | AccelePort 8e ISA/NetWare Connect 2 8-port* |

Plus, add x of Man Part #: F2L088-06, the modem cables & x of Man Part #: 005686-03, the 3COM External v.90 Data/Fax Modems

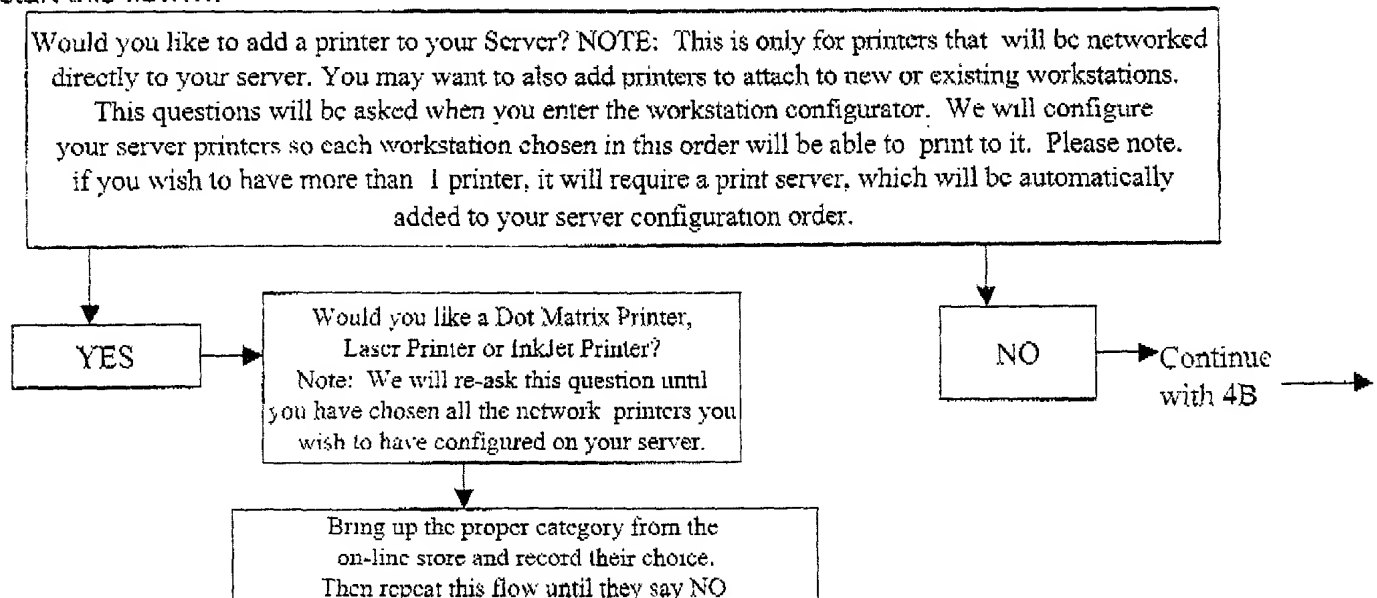
*This includes the necessary board + the license for NetWare Connect Software

B. With NT or Novell, no NetWare Connect Needed:

| | |
|-----------------------|---|
| Modems Chosen is-1: | No additional DIGI Board Required |
| Modems Chosen is-2-4: | Manufacturer Part #: 70001058 AccelePort/4e-ISA EIA422 w/DB-9 Cable |
| Modems Chosen is 5-8: | Manufacturer Part #: 70001059 AccelePort/8e-ISA EIA422 w/DB-9 Cable |

Plus, add x of Man Part #: F2L088-06, the modem cables & x of Man Part #: 005686-03, the 3COM External v.90 Data/Fax Modems

II. Do they Need Printers? After automatically pulling in proper parts for modems above, start this flow....



NOTE TO DEVELOPER: For each additional network printer chosen, that is not already network ready, add x # of Man Part #: J3258B, the HP JetDirect 1-Port External Print Server. The printers listed in the on-line store are categorized as to whether they are network ready or not. If the printer chosen is from a Network Ready category, there is no need to add the JetDirect Card.

FIG 13

Flow Chart for Networking Logic

Section 4B-Adding Necessary NICs & HUBs to Order

The number of Workstations which will connect to this LAN will determine the necessary HUB required.

NOTE: The answer to How many workstations will be connecting to this LAN? answered at start, should be known from Question user answered at beginning....

Must ask the following questions: Do you require a HUB to go with your Server? **YES NO** (NOTE: If this is a brand new system and you have no systems currently connected to a Local Area Network (LAN), or, your current HUB has no more ports available, or there are not enough ports available, you need to answer YES to this question for proper connectivity.)

Record answer, and then ask the following questions, in the order in which they are listed, regardless of answer:

- A. Are the systems that will connect to this Server being ordered new through us, or do you have existing systems? **NEW EXISTING MIX**
- If **EXISTING** or **MIX** chosen, ask: You answered that you have existing systems. In order to properly configure these systems to connect to your new Server, please answer the following questions:
 - Do you need network cards for your existing systems? **YES NO**
 - If YES, how many do you need? _____
 - Would you like us to choose the most cost effective Network Card for you? **YES NO**
 - If YES, add Man Part #: EN1207D-TX/WOL, Accton Cheeta PCI Fast Ethernet 10/100BaseT Network Card, where x is answer to "how many do you need" above
 - If NO, display list of 100BaseT Choices from on-line store for them to choose from & add to order w/proper amount
 - If NO ask: What speed are the current network cards that are installed?
10Mbps 100Mbps MIX
(Note to Developer: record answer to be used below)
 - B. If user answered YES for adding a HUB, ask: "Would you like us to recommend a HUB for this new Server?"
 - If YES, add the proper part number shown below, depending on # of Systems attaching and Speed of Existing Systems, if any. If there are no existing systems, 100BaseT should be used.
 - If NO, bring up proper section of on-line store HUB categories for them to choose from and then continue with next section, 4C.

100BaseT HUBs (New Systems Only, Existing have 100BaseT, and/or adding new along w/100BaseT existing)

1-7 Workstations: Man Part #: SPHUB08W StackPro 8-port 100BaseTX Desktop Hub Including Stacking Cable
8-15 Workstations: Man Part #: CNFH-616S 100BaseTX Fast Ethernet Hub 100Mbps 12-port Stackable
16-23 Workstations: Man Part #: SPHUB24S StackPro Rackmount 100BaseTX Stackable Hub 24 RJ-45 Ports
24-47 Workstations: (2) of Man Part #: SPHUB24S StackPro Rackmount 100BaseTX Stackable Hub 24 RJ-45 Ports

10/100BaseT HUB - (All existing have only 10BaseT Cards & no new Systems will be added OR some existing & New Systems will be added)

1-7 Workstations: Man #: ADH-1008 Addtron Dual Speed 8-port Mini Hub External Power Uplink Port
8-15 Workstations: Man #: DFE-2616X D-Link 10/100Mb 16-port Stackable Rackmount Hub with Switch
16-23 Workstations: Man #: DSHUB24 LINKSYS StckPro II Dual Speed 24-port Hub
24-47 Workstation: (2) of Man #: DSHUB24 LINKSYS StckPro II Dual Speed 24-port Hub

Record proper information from above and continue with Section 4C...

Flow Chart for Networking Logic

Section 4C-Determining Correct File Server to Be Used

We must determine which File Server is required to support this New Network...

NOTE TO DEVELOPER: There will be a very small section here with very little logic which will give instructions on pulling the correct file server from an existing list from the on-line store on the LanInABox.com web site.

When the File Server has been added, display:

Congratulations! You have just completely configured your own Local Area Network with all the fixings. Now you may want to add workstations to your order, also to be completely pre-configured, with all software preinstalled. If you place the order through us, we will not only pre-install the requested software, but we will also ensure the system can connect to the new file server without incident and with no extra work on your part. Make a choice below by clicking a button...

Launch The Workstation Configurator Now

NOTE TO DEVELOPER: This button should automatically launch the workstation configurator

View The Local Area Network I Configured,
Including All Parts and Pricing...

NOTE TO DEVELOPER: This should bring up their order and then allow them to launch the Workstation Configurator from there, if they choose.

FIG 15